

Environmental Protection Agency

Pt. 261, App. VII

material—ASTM Standard D420-69 Soil-like material—ASTM Standard D1452-65 Fly Ash-like material—ASTM Standard D2234-76 [ASTM Standards are available from ASTM, 1916 Race St., Philadelphia, PA 19103] Containerized liquid waste—"COLIWASA." Liquid waste in pits, ponds, lagoons, and similar reservoirs—"Pond Sampler." This manual also contains additional information on application of these protocols.

[45 FR 33119, May 19, 1980, as amended at 70 FR 34562, June 14, 2005]

APPENDIXES II-III TO PART 261 [RESERVED]

APPENDIX IV TO PART 261 [RESERVED FOR RADIOACTIVE WASTE TEST METHODS]

APPENDIX V TO PART 261 [RESERVED FOR INFECTIOUS WASTE TREATMENT SPECIFICATIONS]

APPENDIX VI TO PART 261 [RESERVED FOR ETIOLOGIC AGENTS]

APPENDIX VII TO PART 261—BASIS FOR LISTING HAZARDOUS WASTE

EPA hazardous waste No.	Hazardous constituents for which listed	EPA hazardous waste No.	Hazardous constituents for which listed
F001	Tetrachloroethylene, methylene chloride trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated fluorocarbons.	F024	Chloromethane, dichloromethane, trichloromethane, carbon tetrachloride, chloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, trans-1-2-dichloroethylene, 1,1-dichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, 1,1,1,2-tetra-chloroethane, 1,1,2,2-tetrachloroethane, tetrachloroethylene, pentachloroethane, hexachloroethane, allyl chloride (3-chloropropene), dichloropropene, dichloropropene, 2-chloro-1,3-butadiene, hexachloro-1,3-butadiene, hexachlorocyclopentadiene, hexachlorocyclohexane, benzene, chlorobenzene, dichlorobenzenes, 1,2,4-trichlorobenzene, tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene, toluene, naphthalene.
F002	Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane.	F025	Chloromethane; Dichloromethane; Trichloromethane; Carbon tetrachloride; Chloroethylene; 1,1-Dichloroethane; 1,2-Dichloroethane; trans-1,2-Dichloroethylene; 1,1-Dichloroethylene; 1,1,1-Trichloroethane; 1,1,2-Trichloroethane; Trichloroethylene; 1,1,1,2-Tetrachloroethane; 1,1,2,2-Tetrachloroethane; Tetrachloroethylene; Pentachloroethane; Hexachloroethane; Allyl chloride (3-Chloropropene); Dichloropropene; Dichloropropene; 2-Chloro-1,3-butadiene; Hexachloro-1,3-butadiene; Hexachlorocyclopentadiene; Benzene; Chlorobenzene; Dichlorobenzene; 1,2,4-Trichlorobenzene; Tetrachlorobenzene; Pentachlorobenzene; Hexachlorobenzene; Toluene; Naphthalene.
F003	N.A.	F026	Tetra-, penta-, and hexachlorodibenzo-p-dioxins; tri-, tetra-, and pentachlorodibenzofurans; tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.
F004	Cresols and cresylic acid, nitrobenzene.	F027	Tetra-, penta-, and hexachlorodibenzo-p-dioxins; tri-, tetra-, and pentachlorodibenzofurans; tri-, tetra-, and pentachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.
F005	Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, 2-ethoxyethanol, benzene, 2-nitropropane.	F028	Tetra-, penta-, and hexachlorodibenzo-p-dioxins; tri-, tetra-, and pentachlorodibenzofurans; tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.
F006	Cadmium, hexavalent chromium, nickel, cyanide (complexed).	F032	Benz(a)anthracene, benzo(a)pyrene, dibenz(a,h)-anthracene, indeno(1,2,3-cd)pyrene, pentachlorophenol, arsenic, chromium, tetra-, penta-, hexa-, heptachlorodibenzo-p-dioxins, tetra-, penta-, hexa-, heptachlorodibenzofurans.
F007	Cyanide (salts).		
F008	Cyanide (salts).		
F009	Cyanide (salts).		
F010	Cyanide (salts).		
F011	Cyanide (salts).		
F012	Cyanide (complexed).		
F019	Hexavalent chromium, cyanide (complexed).		
F020	Tetra- and pentachlorodibenzo-p-dioxins; tetra- and pentachlorodi-benzofurans; tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.		
F021	Penta- and hexachlorodibenzo-p-dioxins; penta- and hexachlorodibenzofurans; pentachlorophenol and its derivatives.		
F022	Tetra-, penta-, and hexachlorodibenzo-p-dioxins; tetra-, penta-, and hexachlorodibenzofurans.		
F023	Tetra-, and pentachlorodibenzo-p-dioxins; tetra- and pentachlorodibenzofurans; tri- and tetrachlorophenols and their chlorophenoxy derivative acids, esters, ethers, amine and other salts.		

Pt. 261, App. VII

40 CFR Ch. I (7-1-20 Edition)

EPA haz- ardous waste No.	Hazardous constituents for which listed	EPA haz- ardous waste No.	Hazardous constituents for which listed
F034	Benz(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, arsenic, chromium.	K031	Arsenic.
F035	Arsenic, chromium, lead.	K032	Hexachlorocyclopentadiene.
F037	Benzene, benzo(a)pyrene, chrysene, lead, chromium.	K033	Hexachlorocyclopentadiene.
F038	Benzene, benzo(a)pyrene, chrysene, lead, chromium.	K034	Hexachlorocyclopentadiene.
F039	All constituents for which treatment standards are specified for multi-source leachate (wastewaters and nonwastewaters) under 40 CFR 268.43, Table CCW.	K035	Creosote, chrysene, naphthalene, fluoranthene benzo(b) fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd) pyrene, benzo(a)anthracene, dibenz(a)anthracene, acenaphthalene.
K001	Pentachlorophenol, phenol, 2-chlorophenol, p-chloro-m-cresol, 2,4-dimethylphenyl, 2,4-dinitrophenol, trichlorophenols, tetrachlorophenols, 2,4-dinitrophenol, creosote, chrysene, naphthalene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benz(a)anthracene, dibenz(a)anthracene, acenaphthalene.	K036	Toluene, phosphorodithioic and phosphorothioic acid esters.
K002	Hexavalent chromium, lead	K037	Toluene, phosphorodithioic and phosphorothioic acid esters.
K003	Hexavalent chromium, lead.	K038	Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters.
K004	Hexavalent chromium.	K039	Phosphorodithioic and phosphorothioic acid esters.
K005	Hexavalent chromium, lead.	K040	Phorate, formaldehyde, phosphorodithioic and phosphorothioic acid esters.
K006	Hexavalent chromium.	K041	Toxaphene.
K007	Cyanide (complexed), hexavalent chromium.	K042	Hexachlorobenzene, ortho-dichlorobenzene.
K008	Hexavalent chromium.	K043	2,4-dichlorophenol, 2,6-dichlorophenol, 2,4,6-trichlorophenol.
K009	Chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid.	K044	N.A.
K010	Chloroform, formaldehyde, methylene chloride, methyl chloride, paraldehyde, formic acid, chloracetaldehyde.	K045	N.A.
K011	Acrylonitrile, acetonitrile, hydrocyanic acid.	K046	Lead.
K013	Hydrocyanic acid, acrylonitrile, acetonitrile.	K047	N.A.
K014	Acetonitrile, acrylamide.	K048	Hexavalent chromium, lead.
K015	Benzyl chloride, chlorobenzene, toluene, benzotrichloride.	K049	Hexavalent chromium, lead.
K016	Hexachlorobenzene, hexachlorobutadiene, carbon tetrachloride, hexachloroethane, perchloroethylene.	K050	Hexavalent chromium.
K017	Epichlorohydrin, chloroethers [bis(chloromethyl) ether and bis (2-chloroethyl) ethers], trichloropropane, dichloropropanols.	K051	Hexavalent chromium, lead.
K018	1,2-dichloroethane, trichloroethylene, hexachlorobutadiene, hexachlorobenzene.	K052	Lead.
K019	Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride.	K053	Cyanide, napthalene, phenolic compounds, arsenic.
K020	Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride.	K054	Hexavalent chromium, lead, cadmium.
K021	Antimony, carbon tetrachloride, chloroform.	K055	Hexavalent chromium, lead.
K022	Phenol, tars (polycyclic aromatic hydrocarbons).	K056	Hexavalent chromium, lead, cadmium.
K023	Phthalic anhydride, maleic anhydride.	K057	Arsenic.
K024	Phthalic anhydride, 1,4-naphthoquinone.	K058	Arsenic.
K025	Meta-dinitrobenzene, 2,4-dinitrotoluene.	K059	Aniline, nitrobenzene, phenylenediamine.
K026	Paraldehyde, pyridines, 2-picoline.	K060	Aniline, benzene, diphenylamine, nitrobenzene, phenylenediamine.
K027	Toluene diisocyanate, tolune-2, 4-diamine.	K061	Benzene, monochlorobenzene, dichlorobenzenes, 2,4,6-trichlorophenol.
K028	1,1,1-trichloroethane, vinyl chloride.	K062	Mercury.
K029	1,2-dichloroethane, 1,1,1-trichloroethane, vinyl chloride, vinylidene chloride, chloroform.	K063	1,1-Dimethylhydrazine (UDMH).
K030	Hexachlorobenzene, hexachlorobutadiene, hexachloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, ethylene dichloride.	K064	1,1-Dimethylhydrazine (UDMH).
		K065	1,1-Dimethylhydrazine (UDMH).
		K066	1,1-Dimethylhydrazine (UDMH).

Environmental Protection Agency
Pt. 261, App. VIII

EPA hazardous waste No.	Hazardous constituents for which listed	EPA hazardous waste No.	Hazardous constituents for which listed	
K111	2,4-Dinitrotoluene.	K156	Benomyl, carbaryl, carbendazim, carbofuran, carbosulfan, formaldehyde, methylene chloride, triethylamine.	
K112	2,4-Toluenediamine, <i>o</i> -toluidine, <i>p</i> -toluidine, aniline.	K157	Carbon tetrachloride, formaldehyde, methyl chloride, methylene chloride, pyridine, triethylamine.	
K113	2,4-Toluenediamine, <i>o</i> -toluidine, <i>p</i> -toluidine, aniline.	K158	Benomyl, carbendazim, carbofuran, carbosulfan, chloroform, methylene chloride.	
K114	2,4-Toluenediamine, <i>o</i> -toluidine, <i>p</i> -toluidine.	K159	Benzene, butylate, eptc, molinate, pebulate, vernolate.	
K115	2,4-Toluenediamine.	K161	Antimony, arsenic, metam-sodium, ziram.	
K116	Carbon tetrachloride, tetrachloroethylene, chloroform, phosgene.	K169	Benzene.	
K117	Ethylene dibromide.	K170	Benzo(a)pyrene, dibenz(a,h)anthracene, benzo (a)anthracene, benzo (b)fluoranthene, benzo(k)fluoranthene, 3-methylcholanthrene, 7,12-dimethylbenz(a)anthracene.	
K118	Ethylene dibromide.	K171	Benzene, arsenic.	
K123	Ethylene thiourea.	K172	Benzene, arsenic.	
K124	Ethylene thiourea.	K174	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD), 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF), 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,6,7,8,9-HpCDF), HxCDDs (All Hexachlorodibenzo-p-dioxins), HxCDFs (All Hexachlorodibenzofurans), PeCDDs (All Pentachlorodibenzo-p-dioxins), OCDD (1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin), OCDF (1,2,3,4,6,7,8,9-Octachlorodibenzofuran), PeCDFs (All Pentachlorodibenzofurans), TCDDs (All tetrachlorodi-benzo-p-dioxins), TCDFs (All tetrachlorodibenzofurans).	
K125	Ethylene thiourea.	K175	Mercury	
K126	Ethylene thiourea.	K176	Arsenic, Lead.	
K131	Dimethyl sulfate, methyl bromide.	K177	Antimony.	
K132	Methyl bromide.	K178	Thallium.	
K136	Ethylene dibromide.	K181	Aniline, <i>o</i> -anisidine, 4-chloroaniline, <i>p</i> -cresidine, 2,4-dimethylaniline, 1,2-phenylenediamine, 1,3-phenylenediamine.	
K141	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.	N.A.—Waste is hazardous because it fails the test for the characteristic of ignitability, corrosivity, or reactivity.		
K142	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.			
K143	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.			
K144	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene.			
K145	Benzene, benz(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene, naphthalene.			
K147	Benzene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.			
K148	Benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene.			
K149	Benzotrichloride, benzyl chloride, chloroform, chloromethane, chlorobenzene, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, toluene.			
K150	Carbon tetrachloride, chloroform, chloromethane, 1,4-dichlorobenzene, hexachlorobenzene, pentachlorobenzene, 1,2,4,5-tetrachlorobenzene, 1,1,2,2-tetrachloroethane, trichloroethylene, 1,2,4-trichlorobenzene.			
K151	Benzene, carbon tetrachloride, chloroform, hexachlorobenzene, pentachlorobenzene, toluene, 1,2,4,5-tetrachlorobenzene, tetrachloroethylene.			

APPENDIX VIII TO PART 261—HAZARDOUS CONSTITUENTS

Common name	Chemical abstracts name	Chemical abstracts No.	Hazardous waste No.
A2213	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester.	30558-43-1	U394
Acetonitrile	Same	75-05-8	U003
Acetophenone	Ethanone, 1-phenyl-	98-86-2	U004
2-Acetylaminofluorone	Acetamide, N-9H-fluoren-2-yl-	53-96-3	U005
Acetyl chloride	Same	75-36-5	U006
1-Acetyl-2-thiourea	Acetamide, N-(aminothioxomethyl)-	591-08-2	P002
Acrolein	2-Propenal	107-02-8	P003
Acrylamide	2-Propenamide	79-06-1	U007
Acrylonitrile	2-Propenenitrile	107-13-1	U009
Aflatoxins	Same	1402-68-2	